

YLM FIBER LASER MULTI-MODE 2012 SERIES



The Power to Transform[®] using CW Ytterbium Multi-mode Fiber Laser Modules

**NEW
PRODUCT**

IPG Photonics presents new fiber laser modules available for OEM's and system integrators; these compact units are available in air-cooled or water-cooled modules and allow for easy integration. In addition, IPG's CW Ytterbium fiber laser modules can be ordered for single-mode operation or with step index fibers from 50 – 200 microns. This allows optimal performance for critical welding, cutting and drilling applications.



Air-cooled Laser Modules

Features:

- Cost Effective, Compact OEM Solution
- Smart Control via RS-232 Ethernet/ Analog
- Internal Pulse Generator, Software GUI
- Standard 48V DC Input Voltage
- Highly Efficient: > 30%
- Beam Parameters Optimized for Applications

Typical Applications:

- Fine Cutting
- Sintering
- Engraving
- Welding



Water-cooled Modules

YLM-MM Series CW Ytterbium Multi-mode Fiber Laser Modules

YLM-200-AC-MM YLM-200-WC-MM	YLM-300-AC-MM YLM-300-WC-MM	YLM-400-AC-MM YLM-400-WC-MM
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1.0 Optical Characteristics

Mode of Operation	CW		
Polarization State	Random		
Nom. Power, W	200	300	400
Max. Modulation Frequency, kHz	50		
Emission Wavelength, nm	1070		
Output Power Stability, %	±0.5		
Output Fiber, um / BPP, mm x mrad	50 / 2 100 / 5 200 / 10		

2.0 General Characteristics

Dimensions W x D x H, mm	AC*	256 x 435 x 148	
	WC	355 x 407 x 53	
Weight, kg	AC*	25	
	WC	20	
Operating Voltage, V DC		48	
Power Consumption, W		600	1200

* AC (Air-cooled)
WC (Water-cooled)

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